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- ☐ 1: Ghilardi N, Li J, Hongo JA, Yi S, Gurney A, De Sauvage FJ. Related Articles, Nucleotide, Protein  
A Novel Type I Cytokine Receptor Is Expressed on Monocytes, Signals Proliferation, and Activates STAT-3 and STAT-5.  
J Biol Chem. 2002 May 10;277(19):16831-6.  
PMID: 11877449 [PubMed - in process]

Related  
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- ☐ 2: Chen Q, Ghilardi N, Wang H, Baker T, Xie MH, Gurney A, Grewal IS, de Sauvage FJ. Related Articles, Nucleotide, OMIM, Protein  
Development of Th1-type immune responses requires the type I cytokine receptor TCCR.  
Nature. 2000 Oct 19;407(6806):916-20.  
PMID: 11057672 [PubMed - indexed for MEDLINE]

- ☐ 3: Leonard W J. Related Articles  
Cytokines and immunodeficiency diseases.  
Nature Rev Immunol. 2001 Dec;1(3):200-8. Review.  
PMID: 11905829 [PubMed - indexed for MEDLINE]

- ☐ 4: Mak TW, Penninger JM, Ohashi PS. Related Articles  
Knockout mice: a paradigm shift in modern immunology.  
Nature Rev Immunol. 2001 Oct;1(1):11-9. Review.  
PMID: 11905810 [PubMed - indexed for MEDLINE]

- ☐ 5: Roder J, Hickey WF. Related Articles  
Mouse models, immunology, multiple sclerosis and myelination.  
Nat Genet. 1996 Jan;12(1):6-8. No abstract available.  
PMID: 8528253 [PubMed - indexed for MEDLINE]

- ☐ 6: Rothenberg ME. Related Articles  
Chemokine knockout mice.  
Methods Mol Biol. 2000;138:253-7. No abstract available.  
PMID: 10840765 [PubMed - indexed for MEDLINE]

- ☐ 7: Chambers CA, Allison JP. Related Articles  
CTLA-4--the costimulatory molecule that doesn't: regulation of T-cell responses by inhibition.  
Cold Spring Harb Symp Quant Biol. 1999;64:303-12. Review. No abstract available.

PMID: 11232300 [PubMed - indexed for MEDLINE]

☐ 8: Gao JL, Murphy PM.

Related Articles

Chemokine receptor knockout mice.

Methods Mol Biol. 2000;138:259-74. No abstract available.

PMID: 10840766 [PubMed - indexed for MEDLINE]

☐ 9: Hertzog PJ, Kola I.

Related Articles

Overview. Gene knockouts.

Methods Mol Biol. 2001;158:1-10. No abstract available.

PMID: 11236650 [PubMed - indexed for MEDLINE]

☐ 10: Koretzky G.

Related Articles

Stimulation and inhibition of immune responses: an intricate balancing act.

J Clin Invest. 2002 Jan;109(1):7-8. No abstract available.

PMID: 11781343 [PubMed - indexed for MEDLINE]

☐ 11: van der Merwe PA.

Related Articles

Modeling costimulation.

Nat Immunol. 2000 Sep;1(3):194-5. No abstract available.

PMID: 10973274 [PubMed - indexed for MEDLINE]

☐ 12: Bunz F.

Related Articles

Human cell knockouts.

Curr Opin Oncol. 2002 Jan;14(1):73-8. Review.

PMID: 11790984 [PubMed - indexed for MEDLINE]

☐ 13: Bolivar V, Cook M, Flaherty L.

Related Articles

List of transgenic and knockout mice: behavioral profiles.

Mamm Genome. 2000 Apr;11(4):260-74. Review.

PMID: 10754101 [PubMed - indexed for MEDLINE]

☐ 14: Thorsby E.

Related Articles

Transplantation immunology: a brief update.

Transplant Proc. 1997 Nov;29(7):3129-34. Review. No abstract available.

PMID: 9365696 [PubMed - indexed for MEDLINE]

☐ 15: Riminton DS.

Related Articles

Gene targeting technology and advances in the pathophysiology of inflammation.

Pathology. 2002 Apr;34(2):109-14.

PMID: 12009090 [PubMed - in process]

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☐ 1: NP\_057880. T cell cytokine  
r...[gi:7710110]

BLink, Nucleotide, OMIM, Related Sequences, PubMed,  
Taxonomy, LinkOut

LOCUS NP\_057880 623 aa linear ROD 07-JAN-2002

DEFINITION T cell cytokine receptor; cytokine receptor family, class 1  
(WSXWS), member 1 [Mus musculus].

ACCESSION NP\_057880

PID g7710110

VERSION NP\_057880.1 GI:7710110

DBSOURCE REFSEQ: accession [NM\\_016671.1](#)

KEYWORDS

SOURCE house mouse.

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (residues 1 to 623)

AUTHORS Sprecher, C.A., Grant, F.J., Baumgartner, J.W., Presnell, S.R.,  
Schrader, S.K., Yamagiwa, T., Whitmore, T.E., O'Hara, P.J. and  
Foster, D.F.

TITLE Cloning and characterization of a novel class I cytokine receptor

JOURNAL Biochem. Biophys. Res. Commun. 246 (1), 82-90 (1998)

MEDLINE 98262921

PUBMED 9600072

REFERENCE 2 (residues 1 to 623)

AUTHORS Chen, Q., Ghilardi, N., Wang, H., Baker, T., Xie, M.H., Gurney, A.,  
Grewal, I.S. and de Sauvage, F.J.

TITLE Development of Th1-type immune responses requires the type I  
cytokine receptor TCCR

JOURNAL Nature 407 (6806), 916-920 (2000)

MEDLINE 20509354

PUBMED 11057672

COMMENT PROVISIONAL REFSEQ: This record has not yet been subject to final  
NCBI review. The reference sequence was derived from [AF053005.1](#).

FEATURES

source Location/Qualifiers

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/organism="Mus musculus"

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Protein

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181 dgltpvemqn lepgtcyqvs grcqvengyp wgewssplsf qtpfldpedv wvsgtvcets
241 gkraallvkv dprpcvqvty tvwfgagdit ttqeevpck spvpawmewa vvspgnstsw
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361 wtrlppgnls tllpgefkkg vpyritvtav ysgglaaaps vwgfrelvp lagpavwrlp  
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481 lwvtvstvag qgppgpdls l hlpdnrirk alpwlslwg lllmgcglsl astrclqarc  
541 lhwrhklpqi wiwervdpa nsnsqgpyik evslpqpdkd gpilveeve lqpvespka  
601 sapiysgyek hflptpeelg llv

//

Revised: October 24, 2001.

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☐ 1: NP\_004834. class I cytokine  
...[gi:4759328]

BLink, Nucleotide, OMIM, Related Sequences, PubMed, SNP,  
Taxonomy, LinkOut

LOCUS NP\_004834 636 aa linear PRI 28-JAN-2002  
DEFINITION class I cytokine receptor; T-cell cytokine receptor [Homo sapiens].  
ACCESSION NP\_004834  
PID g4759328  
VERSION NP\_004834.1 GI:4759328  
DBSOURCE REFSEQ: accession NM\_004843.2  
KEYWORDS  
SOURCE human.

ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (residues 1 to 636)

AUTHORS Sprecher, C.A., Grant, F.J., Baumgartner, J.W., Presnell, S.R.,  
Schrader, S.K., Yamagiwa, T., Whitmore, T.E., O'Hara, P.J. and  
Foster, D.F.

TITLE Cloning and characterization of a novel class I cytokine receptor

JOURNAL Biochem. Biophys. Res. Commun. 246 (1), 82-90 (1998)

MEDLINE 98262921

PUBMED 9600072

COMMENT REVIEWED REFSEQ: This record has been curated by NCBI staff. The  
reference sequence was derived from AF053004.1, AI983115.1 and  
AW298502.1.

Summary: In mice, CD4+ helper T-cells differentiate into type 1  
(Th1) cells, which are critical for cell-mediated immunity,  
predominantly under the influence of IL12. Also, IL4 influences  
their differentiation into type 2 (Th2) cells, which are critical  
for most antibody responses. Mice deficient in these cytokines,  
their receptors, or associated transcription factors have impaired,  
but are not absent of, Th1 or Th2 immune responses. This gene  
encodes a protein which is similar to the mouse T-cell cytokine  
receptor Tccr at the amino acid level, and is predicted to be a  
glycosylated transmembrane protein.

FEATURES Location/Qualifiers

source

1..636

/organism="Homo sapiens"

/db\_xref="taxon:9606"

/chromosome="19"

/map="19p13.11"

Protein

1..636

/product="class I cytokine receptor"

/note="T-cell cytokine receptor"

CDS

1..636

/gene="WSX1"

/coded\_by="NM\_004843.2:424..2334"

/db\_xref="LocusID:9466"

/db\_xref="MIM:605350"

ORIGIN

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121 nletqmkpna prlgpdvdfs eddpleatvh wapptwpskh vlicqfhyrr cqaawtlll
181 pelktipltv veiqdlelat gykvygrcrm ekeedlwgew spilsfqtpv sapkdvwvsg

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301 vnatswepit nslsvcldsa saprsavavss iagstellvt wqpgpgeple hvvdwardgd  
361 pleklnwvrl ppgnlsallp gnftvgvpyr itvtavsasg lasassvwgf reelaplvgp  
421 tlwrlqdapp gtpaiawgev prhqlrghlt hytlcaqsgt spsvcmnvsg ntqsvtlpdl  
481 pwgpcelwvt astiagggpp gpilrlhlpd ntlrwkvlpg ilflwglfll gcglslatsg  
541 rcyhlrhkvl prvwewkvpd pansssggph meqvpeaapl gdlpilevee mepppvmess  
601 qpaqatapld sgyekhflpt peelgllgpp rpqvla

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